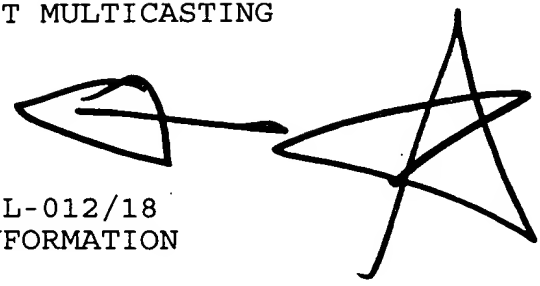


JAPIO

-1- (JAPIO)  
AN - 99-127197  
TI - DATA FLOW PROTECTING TECHNIQUE FOR INTERNET MULTICASTING  
PA - (2198211) SUN MICROSYST INC  
IN - AMIT, GUPTA; JAADEKKII, PAUL W  
PN - 99.05.11 J11127197, JP 11-127197  
AP - 98.06.30 98JP-184064, 10-184064  
PR - 97.06.30 97US-885817, US 885817  
IC - H04L-012/56; G06F-013/00; G06F-013/00; H04L-012/18  
JC - 44.3 (COMMUNICATION--Telegraphy); 45.2 (INFORMATION  
PROCESSING--Memory Units)  
FKW - R102 (APPLIED ELECTRONICS--Video Disk Recorders, VDR)



-2- (JAPIO)  
AN - 98-308759  
TI - EQUIPMENT AND METHOD FOR COMMUNICATION  
PA - (2000307) TOSHIBA CORP  
IN - SAITO, TAKESHI; TAKAHATA, YOSHIAKI; HASHIMOTO, MIKIO  
PN - 98.11.17 J10308759, JP 10-308759  
AP - 98.03.05 98JP-053321, 10-53321  
SO - 98.11.17 SECT. , SECTION NO. ; VOL. 98, NO. 11.  
IC - H04L-012/40; H04L-012/28  
JC - 44.3 (COMMUNICATION--Telegraphy)  
FKW - R102 (APPLIED ELECTRONICS--Video Disk Recorders, VDR)  
AB - PROBLEM TO BE SOLVED:To execute IP multicast while effectively  
utilizing communication resources by transmitting a 2nd message  
concerning the identifier of broadcasting type channel on an  
established network to 2nd communication equipment based on a 1st  
message containing the securing request of band received from the  
2nd communication equipment. SOLUTION:A terminal 103 connected to  
a 1st domestic network 105 transmits the 1st message containing  
the identifier of network layer multicast data flow(NMD) and the  
securing request of band. A video server 101, which receives this  
message through a connector 102 and a public network 104,  
establishes the broadcasting type channel on the network 105  
based on the 1st message. The video server 101 transmits the 2nd  
message containing the correspondent relation between the  
respective identifiers of this broadcasting type channel and the  
NMD to the terminal 103. Thus, the correspondent relation between  
the secured channel and the IP multicast can be recognized  
synchronously on the sides of transmission and reception.

-3- (JAPIO)  
AN - 98-308756  
TI - EQUIPMENT AND METHOD FOR COMMUNICATION  
PA - (2000307) TOSHIBA CORP  
IN - SAITO, TAKESHI; TAKAHATA, YOSHIAKI; HASHIMOTO, MIKIO  
PN - 98.11.17 J10308756, JP 10-308756  
AP - 97.12.09 97JP-338895, 09-338895  
SO - 98.11.17 SECT. , SECTION NO. ; VOL. 98, NO. 11.  
IC - H04L-012/40  
JC - 44.3 (COMMUNICATION--Telegraphy)  
FKW - R102 (APPLIED ELECTRONICS--Video Disk Recorders, VDR)  
AB - PROBLEM TO BE SOLVED:To execute IP multicast while effectively

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